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1	BRS	L1	0	data adj exchang$5 SAME (betwen WITH process$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 14:46	
2	BRS	L2	28445	data adj exchang$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 14:46	
3	BRS	L3	20048	2 and between and process$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 14:47	
4	BRS	L4	767	3 and microprocessor and covers$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 14:48	
5	BRS	L5	2763	3 and microprocessor and convers$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 15:39	
					USPAT; US-PGPUB;		
6	BRS	L6	1127	5 and operating adj system and (second nears (computer or database or software))	EPO; JPO; DERWENT; IBM_TDB	2004/09/27 14:49	
7	BRS	L7	0	6 and ((internal adj3 coding) same (external adj3 coding))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 14:51	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
8	BRS	L8	0	6 and ((internal adj3 coding) and (external adj3 coding))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 14:51	
9	BRS	L9	0	6 and (internal adj3 coding)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 14:51	
10	BRS	L10	391	6 and coding	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 15:40	
11	BRS	L11	344	6 and coding and internal and external	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 14:51	
12	BRS	L12	240	11 and symbol	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 14:52	
					USPAT; US-PGPUB;		
13	BRS	L13	41	12 and interrogat$5	EPO; JPO; DERWENT; IBM_TDB	2004/09/27 14:53	
14	BRS	L14	41	13 and data	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 17:28	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
15	IS&R	L15	8103	((709/245,246,212,217,231,232) or (712/300,22,28,32,208)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 15:38	
16	IS&R	L16	0	("15anddata").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 15:38	
17	BRS	L17	2092	15 and data SAME exchang$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 15:38	
18	BRS	L18	1457	17 and processor$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 15:39	
19	BRS	L19	224	18 and microprocessor and convers$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 15:39	
					USPAT; US-PGPUB;		
20	BRS	L20	65	19 and coding	EPO; JPO; DERWENT; IBM_TDB	2004/09/27 15:40	
21	BRS	L21	64	20 not 14	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 15:40	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
22	BRS	L22	0	"data convrsion".ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 17:29	
23	BRS	L23	0	"data near3 exchang$5".ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 17:29	
24	BRS	L24	0	"data near3 convers$5".ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 17:31	
25	BRS	L25	0	"data near3 convert$5".ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 17:30	
26	BRS	L26	0	'data near3 convert$5'.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 17:31	
					USPAT; US-PGPUB;		
27	BRS	L27	15772	(data near3 convert$5).ti.	EPO; JPO; DERWENT; IBM_TDB	2004/09/27 17:31	
28	BRS	L28	5988	(data near3 convers$5).ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 17:32	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
29	BRS	L29	29	28 and computer and (data adj exchang$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/27 17:32	

Terms used **coversion** and **data exchange** and **symbol** and **store** and **second** and **interrogation** and **coded** and **transformation** and **processor** and **string** a

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1 Status report of the graphic standards planning committee

Computer Graphics staff

August 1979 **ACM SIGGRAPH Computer Graphics**, Volume 13 Issue 3

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2 Distributed systems - programming and management: On remote procedure call

Patrícia Gomes Soares

November 1992 **Proceedings of the 1992 conference of the Centre for Advanced Studies on Collaborativ Volume 2**

Full text available: pdf(4.52 MB) Additional Information: full citation, abstract, references, citings

The Remote Procedure Call (RPC) paradigm is reviewed. The concept is described, along with the backbone st mechanisms that support it. An overview of works in supporting these mechanisms is discussed. Extensions t that have been proposed to enlarge its suitability, are studied. The main contributions of this paper are a stan classification of RPC mechanisms according to different perspectives, and a snapshot of the paradigm in use t goals for t ...

3 Status report of the graphic standards planning committee of ACM/SIGGRAPH: State-of-the-art of grap packages

Compuater Graphics staff

September 1977 **ACM SIGGRAPH Computer Graphics**, Volume 11 Issue 3

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4 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborativ**

Full text available: pdf(4.21 MB) Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time dia used to obtain a better understanding of the execution of the application. The visualization tool we use is Poe tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not p with the desired overview of the application. In our experience, such tools display repeated occurrences of no commun ...

5 Answering English questions by computer: a survey

R. F. Simmons

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January 1965 **Communications of the ACM**, Volume 8 Issue 1

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6 Human-computer interface development: concepts and systems for its management

H. Rex Hartson, Deborah Hix

March 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 1

Full text available: pdf(7.97 MB) Additional Information: full citation, abstract, references, citings, index terms, revie

Human-computer interface management, from a computer science viewpoint, focuses on the process of devel human-computer interfaces, including their representation, design, implementation, execution, evaluation, an This survey presents important concepts of interface management: dialogue independence, structural modelin representation, interactive tools, rapid prototyping, development methodologies, and control structures. *Dialo independence* is th ...

7 Associative and Parallel Processors

Kenneth J. Thurber, Leon D. Wald

December 1975 **ACM Computing Surveys (CSUR)**, Volume 7 Issue 4

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8 Computing curricula 2001

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Full text available: pdf(613.63 KB) html(2.79 KB) Additional Information: full citation, references, citings, index terms

9 Developing a natural language interface to complex data

Gary G. Hendrix, Earl D. Sacerdoti, Daniel Sagalowicz, Jonathan Slocum

June 1978 **ACM Transactions on Database Systems (TODS)**, Volume 3 Issue 2

Full text available: pdf(3.13 MB) Additional Information: full citation, abstract, references, citings, index terms

Aspects of an intelligent interface that provides natural language access to a large body of data distributed ov network are described. The overall system architecture is presented, showing how a user is buffered from the management systems (DBMSs) by three layers of insulating components. These layers operate in series to co language queries into calls to DBMSs at remote sites. Attention is then focused on the first of the insulating co

Keywords: database access, human engineering, intelligent interface, natural language, run-time personaliza grammar

10 The FINITE STRING newsletter: Abstracts of current literature

Computational Linguistics Staff

January 1986 **Computational Linguistics**, Volume 12 Issue 1

Full text available: pdf(2.24 MB) Publisher Site Additional Information: full citation

11 Compound data structure for computer aided design; a survey

J. C. Gray

January 1967 **Proceedings of the 1967 22nd national conference**

Full text available: pdf(916.19 KB) Additional Information: full citation, abstract, references, citings, index terms

The aim of Computer Aided Design is to create in the computer a model of the design problem. For example,

circuit may be being designed; the engineer will use an environment consisting of standard circuit parts, with govern the operation, and will use this environment, together with the constraints on performance, to build a his proposed solution to the design problem. This model may now be tested against the specification and will mod ...

12 Symmetric list processor
J. Weizenbaum
September 1963 **Communications of the ACM**, Volume 6 Issue 9

Full text available: pdf(1.94 MB) Additional Information: full citation, abstract, references, citings

A list processing system in which each list cell contains both a forward and a backward link as well as a datum This system is intended for imbedding in higher level languages capable of calling functions and subroutines c language. The presentation is in the form of FORTRAN programs depending on only a limited set of "primitive language subroutines which are also defined. Finally, a set of field, particularly character, manipulation primit

13 An architectural framework for migration from CISC to higher performance platforms
Gabriel M. Silberman, Kemal Ebcioğlu
August 1992 **Proceedings of the 6th international conference on Supercomputing**

Full text available: pdf(2.04 MB) Additional Information: full citation, abstract, references, citings, index terms

We describe a novel architectural framework that allows software applications written for a given Complex Ins Computer (CISC) to migrate to a different, higher performance architecture, without a significant investment the application user or developer. The framework provides a hardware mechanism for seamless switching bet instruction sets, resulting in a machine that enhances application performance while keeping the same progra (from a user per ...

14 META5: A tool to manipulate strings of data
David K. Oppenheim, Dan P. Haggerty
July 1966 **Communications of the ACM**, Volume 9 Issue 7

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15 A study of the utility of a hybrid associative processor
J. A. Dugan, R. S. Green, J. Minker, W. E. Shindle
July 1966 **Communications of the ACM**, Volume 9 Issue 7

Full text available: pdf(654.43 KB) Additional Information: full citation

16 Aspects and applications of symbol manipulation
Bertram Raphael
July 1966 **Communications of the ACM**, Volume 9 Issue 7

Full text available: pdf(654.43 KB) Additional Information: full citation

17 The teachable language comprehender: a simulation program and theory of language
M. Ross Quillian
August 1969 **Communications of the ACM**, Volume 12 Issue 8

Full text available: pdf(2.39 MB) Additional Information: full citation, abstract, references, citings, index terms

The Teachable Language Comprehender (TLC) is a program designed to be capable of being taught to "compr text. When text which the program has not seen before is input to it, it comprehends that text by correctly re (explicit or implicit) assertion of the new text to a large memory. This memory is a "semantic network" repres assertions about the world. The program also creates copies of the parts of its memory which ha ...

Keywords: computer linguistics, human memory simulation, linguistic performance theory, natural language natural language processing, psychological simulation, teachable computer program

18 A language and model for computer design
N. G. Denil
July 1966 **Communications of the ACM**, Volume 9 Issue 7
Full text available: pdf(654.43 KB) Additional Information: full citation

19 Display-oriented computer usage system
Harold S. Corbin, Werner L. Frank
July 1966 **Communications of the ACM**, Volume 9 Issue 7
Full text available: pdf(654.43 KB) Additional Information: full citation

20 Applications of computer graphics
Joseph Behar
July 1966 **Communications of the ACM**, Volume 9 Issue 7
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